CLAIMS

Claim 1 (currently amended): An integrated automatic system for remote monitoring and management of vehicle access and parking in urban areas on a selective basis comprising: ~~characterised in that it comprises:~~ a mobile recognition device [[(17)]], in which a user code is memorised, and which can be positioned inside a vehicle [[(18)]]; [[-]] a detection sensor [[(11)]] installed close to a respective parking space [[(19)]]; [[-]] a network connecting the detection sensors [[(11)]] to a fixed data collection station [[(20)]];[[-]] and a control centre [[(21)]], connected to the second network, for decoding and reprocessing the data.

Claim 2 (currently amended): A system according to claim 1, ~~characterised in that it also comprises~~ further comprising: a second network connecting a plurality of fixed stations [[(20)]] designed to collect data from respective areas with parking spaces [[(19)]].

Claim 3 (currently amended): ~~A system according to any of the foregoing claims, characterised in that~~ The system of claim 1, wherein the mobile recognition device [[(17)]] consists of a mobile telephone or a miniaturised device, which can be positioned inside the vehicle [[(18)]], equipped with a memory containing the user identification code.

Claim 4 (currently amended): A system according to claim 3, ~~characterised in that~~ wherein the code is transmitted automatically or manually by radio-frequency to the detection sensors [[(11)]].

Claim 5 (currently amended): ~~A system according to any of the foregoing claims, characterised in that~~ The system of claim 1, wherein each detection sensor [[(11)]] is located inside an external unit [[(10)]] positioned close to a respective parking area.

Claim 6 (currently amended): A system according to claim 5, ~~characterised in that~~ wherein each external unit [[(10)]] comprises: [[-]] luminous indicators [[(12)]] which confirm the detection of an authorised or not authorised vehicle [[(18)]]; [[-]] an interface [[(15)]], designed to communicate with the user[[, -

]] :and means [[(16)]] for issuing receipts or printed messages of use to the authorised user.

Claim 7 (currently amended): A system according to claim 5 [[o 6]], ~~characterised in that~~ wherein each external unit [[(10)]] presents a buzzer [[(13)]] which is activated in the event of detection of a vehicle [[(18)]] parked without authorisation.

Claim 8 (currently amended): ~~A system according to any of the foregoing claims, characterised in that~~ The system of claim 1 wherein the mobile recognition device [[(17)]] comprises a pair of displays[[,]]; a pair of parking start and end pushbuttons[[,]]; , an active RFID tag [[,]]; ~~and, preferably,~~ a buzzer; and a two-colour indicator.

Claim 9 (currently amended): A ~~procedure~~ method for the management of an integrated automatic system[[,]] for remote monitoring and management of vehicle access and parking in urban areas on a selective basis~~, which foresees:~~ comprising:

~~the detection of~~ detecting the presence of a vehicle [[(18)]] in a specific respective parking space [[(19)]];

~~the recognition of~~ recognizing the vehicle [[(18)]] as authorised or not authorised to use the space [[(19)]];

~~the emission of~~ emitt ing a visual and/or acoustic signal confirming the occupation of the space[[(19)]];

~~the detection of~~ detecting the parking time of the vehicle [[(18)]] in the parking space [[(19)]];

~~the transmission of~~ transmitting the occupation of the parking space [[(19)]] and of the data regarding the recognised or not recognised vehicle [[(18)]] to one or more area controller devices[[(20);]] the transmission of the data collected by the one or more area controller devices [[(20)]] to a central processing unit [[(21)]] designed to store the data regarding recognised vehicles and to immediately report any unauthorised occupation by vehicles [[18)]] without authorisation;

~~the calculation~~ calculating, by the central unit [[(21)]], of the fee in relation to, the parking time; and

~~if required, the transmission of~~ transmitting the data relative to the fee to a bank authorised for payment with the consent of the user.

Claim 10 (new): The system of claim 2, wherein the mobile recognition device consists of a mobile telephone or a miniaturised device, which can be positioned inside the vehicle, equipped with a memory containing the user identification code.

Claim 11 (new): A system according to claim 11, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 12 (new): The system of claim 2, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 13 (new): The system of claim 3, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 14 (new): The system of claim 4, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 15 (new): A system according to claim 6, wherein each external unit presents a buzzer which is activated in the event of detection of a vehicle parked without authorisation.

Claim 16 (new): The system of claim 2, wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-colour indicator.

Claim 17 (new): The system of claim 3, wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-colour indicator.

Claim 18 (new): The system of claim 4, wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-colour indicator.

Claim 19 (new): The system of claim 5, wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-colour indicator.

Claim 20 (new): The system of claim 6, wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-colour indicator.